

	Application No.	Applicant(s)		
Notice of Allowability	09/649,120			
Notice of Allowability	Examiner	Art Unit		
	Kristie Shingles	2141		
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in to or other appropriate commun IGHTS. This application is su	his application. If not including its including its application will be mailed in due	ded e course. THIS	
1. This communication is responsive to <u>12/4/06</u> .				
2. A The allowed claim(s) is/are 54,57-62,65-70,73-78 and 81-5	<u>92</u> .		•	
 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents-have 		(f).		
2. Certified copies of the priority documents have		No		
3. Copies of the certified copies of the priority do	• •		ation from the	
International Bureau (PCT Rule 17.2(a)).		in the national stage applie		
* Certified copies not received:		·		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the re	equirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.			
(a) 🔲 including changes required by the Notice of Draftspers	son's Patent Drawing Review	(PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	<i>;</i>			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in	n the Office action of		
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of	
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Proffnerson's Potent Proving Review (PTO 948)		rmal Patent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ⊠ Interview Sur Paper No./M	nmary (P10-413), Iail Date 3/2007 .		
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date		mendment/Comment		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		8. Examiner's Statement of Reasons for Allowance		
	9. Other			
	ARU	kds/20070302		
U.S. Patent and Trademark Office	SUPERVISOR	Y PATENT EXAMINER	and the second s	

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DETAILED ACTION

Response to Amendments

Claims 54, 62, 70, 78, 86, 88, 90 and 91 have been amended. Claims 1-53, 55, 56, 63, 64, 71, 72, 79 and 80 have been cancelled. Claims 54, 57-62, 65-70, 73-78 and 81-92 are pending.

Claims 54, 57-62, 65-70, 73-78 and 81-92 are allowed.

Response to Arguments

I. Applicant's arguments, see Remarks pages 12-16 filed 12/4/2006, with respect to claims 54, 62, 70 and 78 have been fully considered and are persuasive. The rejection of claims 54, 57-62, 65-70, 73-78 and 81-92 has been withdrawn.

Examiner's Amendment

II. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in a telephone interview with Atty. Chris Tobin on 3/2/2007. The application has, therefore, been amended as follows:

• Regarding claim 90, in line 17-18, replace "apparatus of claim 68," with—"apparatus of claim 70"—.

Claim 90 should now read:

"The apparatus of claim 70, wherein the first set of storage management properties includes a first class of service and the second set of storage management properties includes a second class of service, whereby access of the first and second volumes by the first and second hosts entails differing classes of service."

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Reasons for Allowance

The following is the Examiner's statement of reasons for allowance

III. The prior art or record fails to teach neither singly nor in combination, the claimed limitation of "defining storage domains respectively having associated configurable storage management properties that are separate from individual physical capabilities of physical storage resources available through the SAN, wherein a first set of storage management properties is associated with a first storage domain and a second set of storage management properties is associated with a second storage domain, with the first set of storage management properties being different from the second set of storage management properties; accommodating the creation of logical volumes configurable for presentation to hosts through the SAN; and allocating the logical volumes to host in the context of the storage domains, wherein allocating a first logical volume to a first host in the context of the first storage domain entails the provision of storage resources according to the first set of storage management properties and allocating a second volume to a second host in the context of the second storage domain entails the provision of storage resources according to the second set of storage management properties" as stated in independent claims 54, 62, 70 and 78 (supported in Applicant's Disclosure on pages 7-9). These limitations, in conjunction with other limitations in the independent claims, are not specifically disclosed or remotely suggested in the prior art of record.

Specifically, the prior art fails to explicitly teach that the presentation of logical volumes to hosts accommodates storage resource access by hosts without requiring hosts to be configured according to the requirements of the physical storage resources, wherein the first logical volume and the second logical volume are created from physical storage resources in common. A review of claims 54, 62, 70 and 78 in view of the Examiner's arguments above and Applicant's remarks

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filed on 12/4/2006, indicate that claims 54, 57-62, 65-70, 73-78 and 81-92 are therefore

allowable over the prior art of record.

Any comments considered necessary by Applicant must be submitted no later than the

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payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

V. Any inquiry concerning this communication or earlier communications from the

Examiner should be directed to Kristie Shingles whose telephone number is 571-272-3888. The

Examiner can normally be reached on Monday-Friday 8:30-6:00pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's

supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kristie Shingles Examiner

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